| <br> | • • • | Clai |  |
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|      |       |      |  |

| Application No.   | Applicant(s)   |  |
|-------------------|----------------|--|
| 09/977,290        | NAM, YOUNG-MIN |  |
| Examiner          | Art Unit       |  |
| James A. Fletcher | 2616           |  |

| Rejected    | - | (Through numeral)<br>Cancelled |
|-------------|---|--------------------------------|
| <br>Allowed | ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|             |  |              |          | -  |  |                | J  |  | Ц        | L        |    |
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| Cla         | SITTS  | <del> </del> |          |  | _  | Date           | ㅂ  | r -  | 1        | . —      |    |
| Final       | Original                                     | 3/16/5       |          |  |  |                |  |  |          |          |    |
|             |  | 1            |          | <u> </u>   | -  | L              | L  | -  | _        | L        | ł  |
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|             | 2  | 1            | -        | $\vdash$   | ⊢  | ├              | ├  | ├  | ⊢        | ├        | ł  |
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| -           | 1<br>2<br>3<br>4<br>5<br>6<br>7              | J            | _        |  | ╌  | -              | -  | ⊢  | ┢        | ⊢        | ł  |
|             | 6  | 1            | _        | ├  | ⊢  | ⊢              | ⊢  | ├  | ⊢        | -        | ł  |
|             | 7  | J            |          | ┝  | ⊢  |                | ├  | ⊢  | ┢        |          | ł  |
|             | <del>  '</del>                               | 7            |          |  | ┢  | -              | -  | ┝  | ⊢        | -        | ł  |
|             | 8<br>9´                                      | J            |          | -  | ┢  | -              | <del> </del>                                     | ⊢  | $\vdash$ | -        | ł  |
|             | 10   | 1            |          | -  | -  | ┢              | ┢  | $\vdash$   | ⊢        | ⊢        | ł  |
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| _           | 11<br>12                                     | 1            |          | ┢  | ┝  | $\vdash$       | $\vdash$   | H  |          | -        | 1  |
|             | 13   | 1            | -        |  | ┢  | -              | -  | $\vdash$   |          |          | 1  |
|             | 14   | V            | _        | -  | ┢  | -              | ┢  | $\vdash$   |          | -        | ł  |
|             | 13<br>14<br>15                               | 1            | -        | $\vdash$   | $\vdash$   | ┢╌             | ┢  | ├  | ┢        | -        | ┨  |
| _           | 16   |              | -        | ┢  | ⊢  | ┢              | ┢  | ┝  | ┢        |          | 1  |
| _           | 17   | 7            | ⊢        | ┢  | $\vdash$   | ┢              | $\vdash$   | H  | ├        | ┢        | ┨  |
|             | 16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 | 1            | -        | ╁─   | $\vdash$   | ╁              | ┢  | $\vdash$   | $\vdash$ | ┝        | 1  |
|             | 10   | J            | H        | <del>                                     </del> | H  | ┢              | ┢  | $\vdash$   |          | -        | ł  |
|             | 20   | 7            | ├─       | $\vdash$   | <del> </del>                                     | ┢              | -  | ┝  |          | ├        | ł  |
|             | 21   |              | $\vdash$ | ⊢  | ⊢  | <del> </del> — | $\vdash$   | ├  | ⊢        | ┢        | ł  |
| <u> </u>    | 22   | 1            | $\vdash$ | ┢  | ┢  | ╁╾             | ┢  | -  | $\vdash$ | ┢        | 1  |
| _           | 23   | 1            | -        | $\vdash$   | $\vdash$   | $\vdash$       | <del>                                     </del> | $\vdash$   | -        | ┝        | ĺ  |
| _           | 24   |              |          | -  | ├  | ┢              | -  |  | H        | $\vdash$ | 1  |
|             | 24<br>25                                     | 7            | _        | $\vdash$   | $\vdash$   |                | -  | <del>                                     </del> | -        |          | 1  |
|             | 26   | 1            | _        | $\vdash$   | $\vdash$   |                |  | $\vdash$   |          | _        | ١. |
|             | 27   | 1            |          |  | <del>                                     </del> | $\vdash$       |  | $\vdash$   | t        | H        | i  |
|             | 27<br>28                                     | 1            |          |  | _  |                |  |  |          |          | i  |
|             | 29   |              |          |  |  |                |  | <u> </u>   |          | $\vdash$ | 1  |
|             | 30   | 4            | _        | <u> </u>   | H  |                |  | 1  | T        | $\vdash$ | 1  |
|             | 30<br>31                                     | 7            |          |  |  | _              |  | $\vdash$   | t        | $\vdash$ | 1  |
|             | 32   | 7            |          |  |  |                |  | $\vdash$   | Г        | Г        | 1  |
|             | 32<br>33                                     | 7            |          |  |  |                |  |  |          |          | 1  |
|             | 34   |              |          |  |  |                |  |  |          | Г        | 1  |
|             | 35   |              |          |  |  |                |  |  |          |          | 1  |
|             | 36   |              |          |  |  |                |  |  |          |          | 1  |
|             | 37   |              |          |  |  |                |  |  |          |          | 1  |
|             | 38   |              |          |  | Г  |                |  |  |          |          | İ  |
|             | 39   |              |          |  |  |                |  |  |          | П        | 1  |
|             | 40   |              |          |  |  |                |  |  |          |          | 1  |
|             | 41   |              |          |  |  |                |  |  | Г        |          |    |
|             | 42   |              |          |  |  |                |  |  |          |          |    |
|             | 43   |              |          |  |  |                |  |  |          |          | ĺ  |
|             | 44   |              |          |  |  |                |  |  |          |          |    |
|             | 45   |              |          |  |  |                |  | ,  |          |          | 1  |
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|             | 47   |              |          |  |  |                |  |  |          |          | Ì  |
|             | 48   |              |          |  |  |                |  |  |          |          |    |
|             | 49   |              |          |  |  |                |  |  |          |          |    |
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| Cla  | aim      | L            |          |  | [  | Date      | 9              | ,            |          |              |
|--|----------|--------------|----------|--|--|-----------|----------------|--------------|----------|--------------|
| Final  | Original |              |          |  |  |           |                |              |          |              |
|  | 51       |              |          | 匚  |  |           |                |              |          |              |
|  | 52       | <u></u>      |          |  |  |           |                |              |          |              |
|  | 53       | 乚            | <u></u>  | 丄  | $\bigsqcup$                                      |           |                | <u> </u>     |          |              |
|  | 54<br>55 |              |          |  |  |           |                |              |          |              |
|  | 55       |              |          |  |  |           |                |              |          |              |
|  | 56       |              |          |  |  |           |                |              |          |              |
|  | 57       |              |          |  |  |           |                |              | 匚        |              |
|  | 58       |              |          |  |  |           |                | 匚            | 匚        |              |
|  | 59       | 匚            |          |  |  |           |                |              |          |              |
|  | 60       | 匚            |          |  |  |           |                |              |          | 匚            |
|  | 61       | 匚            | 匚        |  |  |           |                |              |          |              |
|  | 62       | 匚            | 匚        |  |  |           |                |              |          |              |
|  | 63       |              | Γ_       |  |  |           |                |              |          |              |
|  | 64       | 一            |          |  |  |           |                |              |          |              |
|  | 65       |              | ऻ        |  | $\Box$   |           |                |              | $\Box$   |              |
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|  | 67       | Г            | ┢        | <u> </u>   | $\Box$   |           |                | <u> </u>     | $\Box$   |              |
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|  | 69       | $\vdash$     | $\vdash$ | _  | $\vdash$   |           | $\vdash$       | $\vdash$     | <u> </u> | 一            |
|  | 70       | $\vdash$     | 一        | <del>                                     </del> | $\vdash$   | $\vdash$  | $\vdash$       | 一            | $\vdash$ |              |
| <b>-</b>   | 71       | $\vdash$     | H        | $\vdash$   | <del>                                     </del> |           | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$     |
| <b></b>  | 72       |              | $\vdash$ | $\vdash$   | Н  |           | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$     |
|  | 73       | <del> </del> | ⊢        | <del>                                     </del> | $\vdash$   | $\vdash$  | $\vdash$       | ├            | $\vdash$ |              |
| <b> </b>   | 74       | $\vdash$     | ┢        | -  | $\vdash$   |           | H              | <del> </del> | ┢═       | <del> </del> |
|  | 75       | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   |           | $\vdash$       | H            | $\vdash$ | $\vdash$     |
|  | 76       | $\vdash$     | ⊢        | H  | $\vdash$   | $\vdash$  | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$     |
| <b> </b>   | 76<br>77 | $\vdash$     | ├-       | <del>  -</del>                                   | $\vdash$   |           | <del> </del>   | $\vdash$     | $\vdash$ | -            |
| $\vdash$   | 78       | $\vdash$     | $\vdash$ | H  | $\vdash$   | -         | $\vdash$       | $\vdash$     | $\vdash$ | $\vdash$     |
| <b> </b>   | 79       |              | ⊢        | $\vdash$   | $\vdash$   | $\vdash$  | ├─             |              | $\vdash$ | $\vdash$     |
| <del>  </del>                                    | 80       | $\vdash$     | ⊢        | $\vdash$   | $\vdash$   | $\vdash$  | $\vdash$       | -            | $\vdash$ | $\vdash$     |
| <del>                                     </del> | 81       | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | H         | H              | $\vdash$     | $\vdash$ | -            |
| $\vdash$   | 82       | $\vdash$     | ⊢        | $\vdash$   |  | -         | $\vdash$       |              | $\vdash$ | $\vdash$     |
| <b>-</b>   | 83       | $\vdash$     | ├        | ├─   | H  | $\vdash$  | $\vdash$       | $\vdash$     |          | <u> </u>     |
|  | 84       | $\vdash$     | ├        |  |  | $\vdash$  | $\vdash\vdash$ | $\vdash$     | H        | -            |
| <b> </b>   | 85       | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$  | $\vdash\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     |
| <del>  </del>                                    | 86       |              | -        | H  | Н  | H         | Н              | $\vdash$     | Н        | $\vdash$     |
| $\vdash \vdash \vdash$                           | 87       |              | $\vdash$ | <del> </del>                                     | $\vdash$   | H         | Н              | -            | -        | H            |
| $\vdash \vdash \vdash$                           | 88       | $\vdash$     | $\vdash$ | H  |  | H         | Н              | $\vdash$     | Н        | $\vdash$     |
| $\vdash$   | 00       | $\vdash$     | -        | Ш  | Н  | $\vdash$  | Щ              | -            | -        | $\vdash$     |
|  | 89       | Ш            | $\vdash$ | H  | Н  | Н         | Н              | $\vdash$     | $\vdash$ | <u> </u>     |
| $\vdash \vdash$                                  | 90       |              | $\vdash$ | $\vdash$   | Щ  | Н         | $\vdash$       | $\vdash$     | $\vdash$ | <u> </u>     |
| $\vdash$   | 91       | <b> </b>     | ₩        | <b>-</b>   | $\vdash$   | Щ         | Щ              | Н            | $\vdash$ | <u> </u>     |
|  | 92       | Щ            | ⊢        | Щ  | $\vdash$   | Щ         | Ш              | $\vdash$     |          | <u> </u>     |
| <b>  </b>  | 93       | <b></b>      | $\vdash$ | ₽  | Н  | Н         | Щ              | $\vdash$     | $\vdash$ | $\vdash$     |
| $\vdash \vdash \mid$                             | 94       | Щ            | Ш        | Ш  | $\vdash$   | $\vdash$  | Щ              | $\vdash$     | Щ        | ļ            |
| ļ  | 95       | Щ            | $\vdash$ | Ш  | Щ  | Ш         | Щ              | $\sqcup$     | $\vdash$ | L.,          |
| <b>  </b>  | 96       |              | Щ        | Щ  | ${\displaystyle igspace}$                        | $\vdash$  | Ш              | $\sqcup$     | Щ        | Щ            |
| $\vdash$   | 97       | Щ            | $\vdash$ | $\sqcup$   | $\sqcup$   |           | Щ              | Щ            | $\vdash$ | Щ            |
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|  | 100      |              | 1 1      | 1 1  | 1 1  | 1 1       | 1 1            |              | i !      | ĺ            |

| Cl    | aim               |  |                                     |          | [            | Date         | Э        |  |  |          |
|-------|-------------------|--|-------------------------------------|----------|--------------|--------------|----------|--|--|----------|
| Final | Original          |  |                                     |          |              |              |          |  |  |          |
|       | 101<br>102<br>103 | Г  | T                                   |          | $\vdash$     | T            |          |  | $\vdash$   | П        |
|       | 102               |  |                                     |          |              |              |          |  |  |          |
|       | 103               |  |                                     |          |              |              |          |  |  |          |
|       | 104               |  | _                                   |          |              | L            |          |  |  | ÷        |
|       | 105               |  |                                     | _        | _            | L            |          | L  |  | Ш        |
|       | 106               |  | Ь.                                  | <u> </u> |              |              |          | <u> </u>                                     | _  | Ш        |
|       | 107<br>108        | -  | ⊢                                   |          | <del> </del> | -            | -        | -  | ⊢  | Н        |
|       | 109               | -  | ├                                   | -        | ┢            | Η.           | ┢        | -  | ├  | H        |
|       | 110               | _  | $\vdash$                            |          | $\vdash$     | ┢            | ┝        |  | ┢  | Н        |
|       | 111               | <u> </u>   | $\vdash$                            |          |              |              |          | $\vdash$                                     | <del>                                     </del> | $\vdash$ |
|       | 112               |  |                                     |          |              | -            | _        |  |  | П        |
|       | 112<br>113        |  |                                     |          |              |              |          |  |  |          |
|       | 114               |  |                                     |          |              |              |          |  |  |          |
|       | 115               |  |                                     |          | L_           | L            |          | L  | L  | Щ        |
|       | 116               | <u> </u>   |                                     | _        | L_           | <u> </u>     | <u> </u> | <u> </u>                                     | _  |          |
|       | 117               | _  | _                                   |          | _            | _            | <u> </u> | <u>                                     </u> | <u> </u>   | Ш        |
|       | 118<br>119        | -  | -                                   | -        | ┝            | ⊢            |          | <u> </u>                                     | _  | H        |
|       | 120               | -  |                                     |          | -            | ├            |          | ├  | ┝  | Н        |
|       | 121               | <del>                                     </del> | -                                   | _        |              | -            | -        | -  | -  | -        |
|       | 120<br>121<br>122 |  | -                                   | $\vdash$ |              | $\vdash$     |          | -  | -  | Н        |
|       | 123               |  |                                     |          | ┢            | <del> </del> | H        | $\vdash$                                     | _  | Н        |
|       | 123<br>124        | $\vdash$   |                                     |          |              | _            |          |  |  |          |
|       | 125               |  |                                     |          |              |              |          |  |  | П        |
|       | 126<br>127        | L  |                                     |          |              |              |          |  |  |          |
|       | 127               | Ш  |                                     |          | _            | <u> </u>     | <u> </u> | _  | L_   | Ш        |
|       | 128<br>129        | L  |                                     |          | ļ            | <u> </u>     | <u> </u> |  | L  | Ш        |
|       | 130               | -  | _                                   | <u> </u> | <u> </u>     | <u> </u>     | <u> </u> | -  | L  | Н        |
|       | 130               |  |                                     | $\vdash$ | <u> </u>     | <u> </u>     | _        | <u> </u>                                     | -  | Н        |
|       | 131<br>132        | -  | -                                   | -        | _            |              | ⊢        | ⊢  | -  | Н        |
|       | 133               |  |                                     |          | -            | ┢            | -        | -  |  | $\vdash$ |
|       | 134               |  |                                     |          | ┢            | $\vdash$     |          | _  | ┢  |          |
|       | 135               |  |                                     |          |              |              |          |  |  |          |
|       | 136               |  |                                     |          |              |              |          |  |  |          |
|       | 137               |  |                                     |          |              |              |          |  |  |          |
|       | 138               | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L        |              |              |          |  | Ш  |          |
|       | 139               | <u> </u>   | _                                   |          |              | _            | <u> </u> |  | _  |          |
|       | 140<br>141        | H  | $\vdash$                            |          | _            |              | _        | _  |  | $\vdash$ |
|       | 142               | $\vdash$   | $\vdash$                            | $\vdash$ | _            | -            | H        | Н  | -  | $\vdash$ |
|       | 143               | $\vdash$   | <u> </u>                            | H        |              | <u> </u>     | _        | $\vdash$                                     | H  | $\vdash$ |
| -     | 144               | $\vdash$   | Н                                   | -        |              |              | -        | -  | H  | $\vdash$ |
|       | 145               | П  |                                     |          |              | П            |          |  |  |          |
|       | 146               |  |                                     |          |              |              |          |  |  |          |
|       | 147               |  |                                     |          |              |              |          |  |  |          |
|       | 148               |  |                                     |          |              |              |          |  |  |          |
|       | 149               |  |                                     | Щ        |              | Ш            |          |  | $\Box$   |          |
|       | 150               |  | Щ                                   |          |              | L            |          |  |  | ]        |